

City Watersheds of Sonoma Valley, Phase 1

Fryer Creek

Project Schedule & Costs



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Costs -Overview

SDMP (complete)	\$250,000
1 st St Culvert (complete)	\$50,000
Montini OS Trails(complete)	\$380,000
Recharge Wetland & Reveg	\$2,101,000
MacArthur Culvert & Hab Enh	<u>\$1,667,000</u>
Total	\$4,450,000

Grant Amount	\$1,890,000
Matching Funds	\$2,560,000

Schedule

	2014												2015												2016												
Key Tasks	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Field Studies & Testing																																					
Preliminary Design																																					
Public Outreach																																					
30 - 60% Design																																					
CEQA & Permitting																																					
60 - 100% Design																																					
Bidding																																					
Construction & Reveg																																					
Monitoring (multi-year)																																					

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Site Investigation

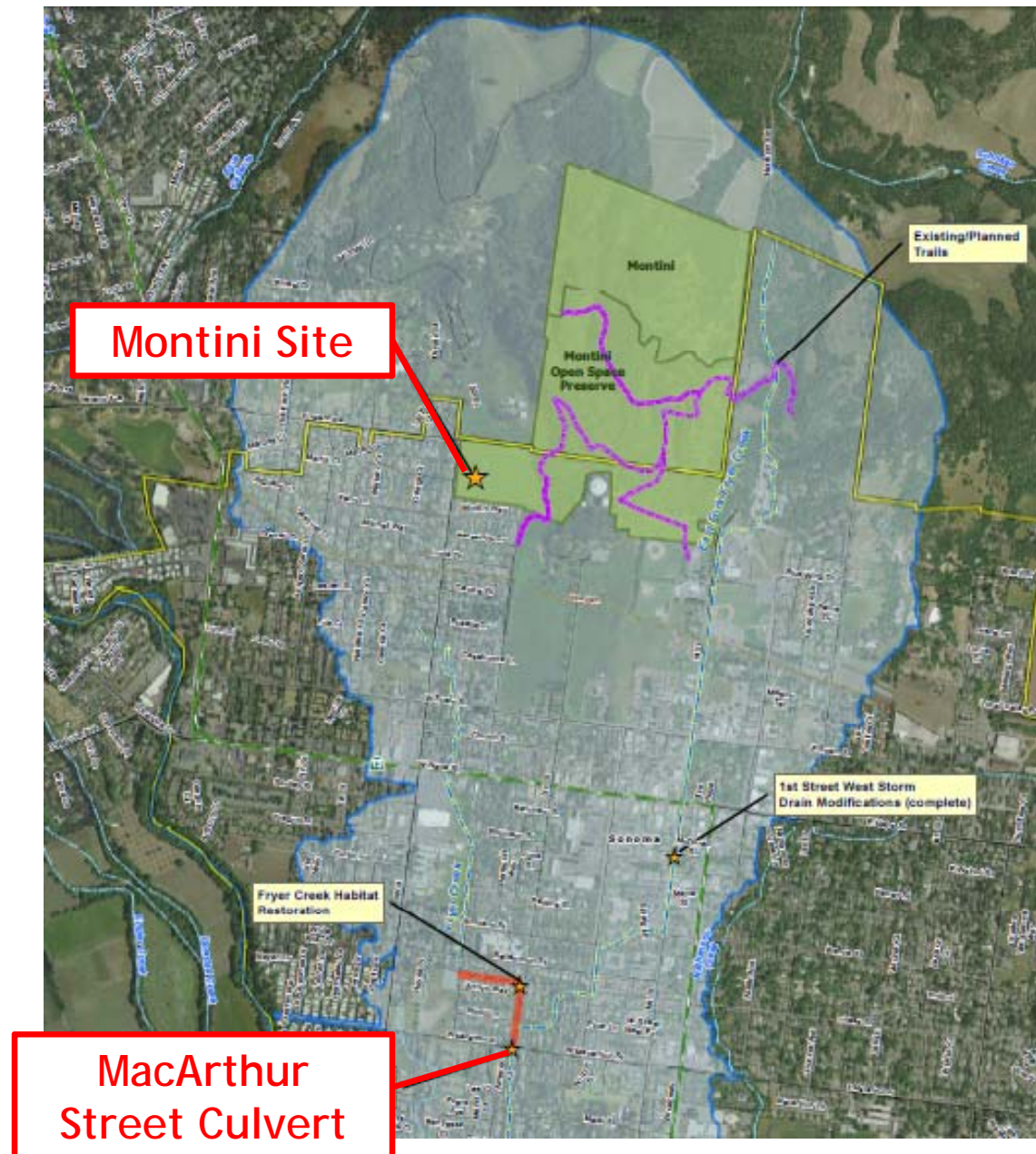


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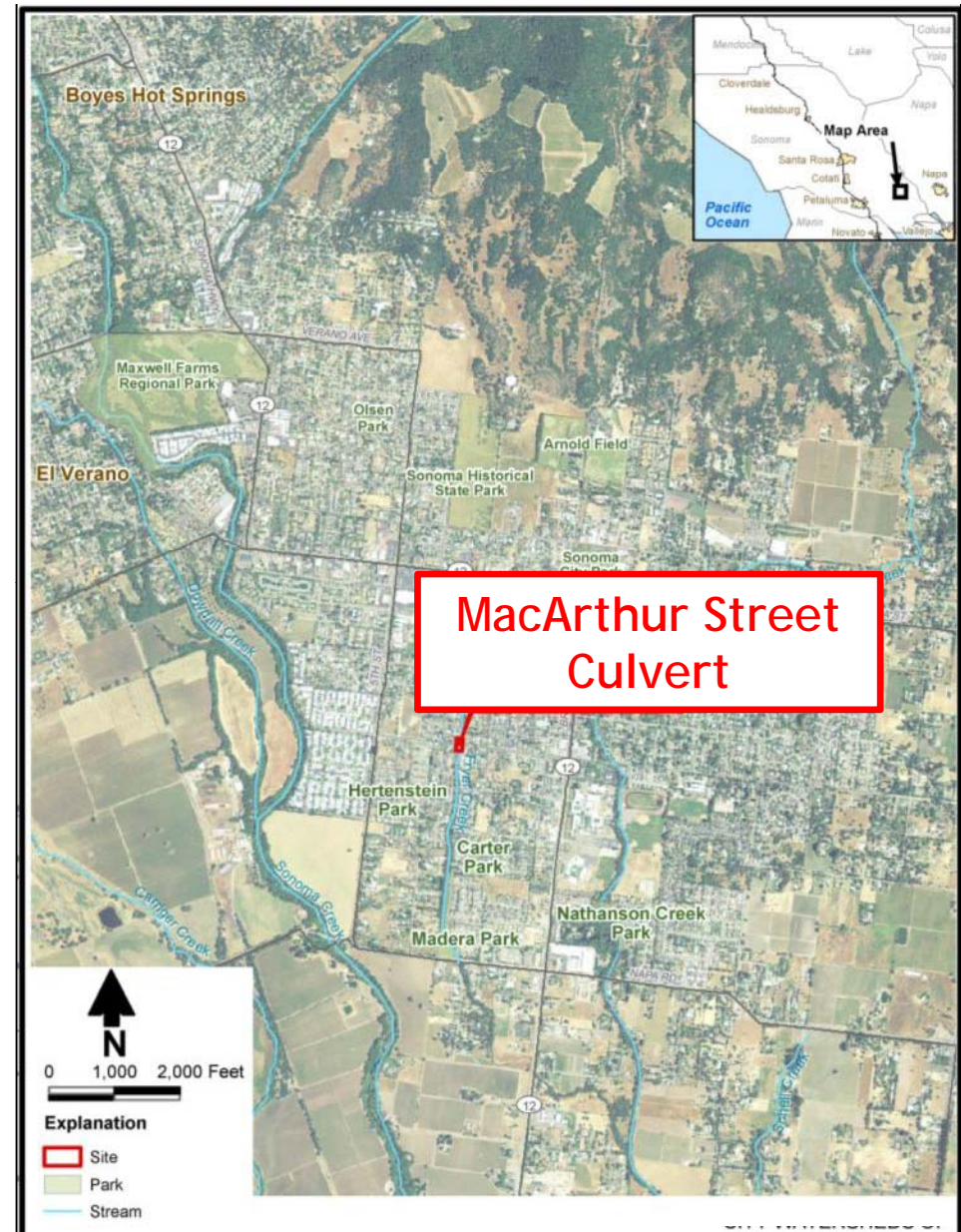
Site Locations



MacArthur Street Culvert

Goal of Investigation:

- Characterize geology of the site
- Identify geotechnical properties of the soil
- Assist in development of appropriate and successful project design



MacArthur Street Culvert Site Investigation Elements



MacArthur Street Culvert Investigation Elements

- Installation of two 30-foot-deep soil borings
 - Analyses of hydraulic and geotechnical properties of soils collected from borings
 - Preparation of geotechnical analysis report for use in design of culvert modification/replacement

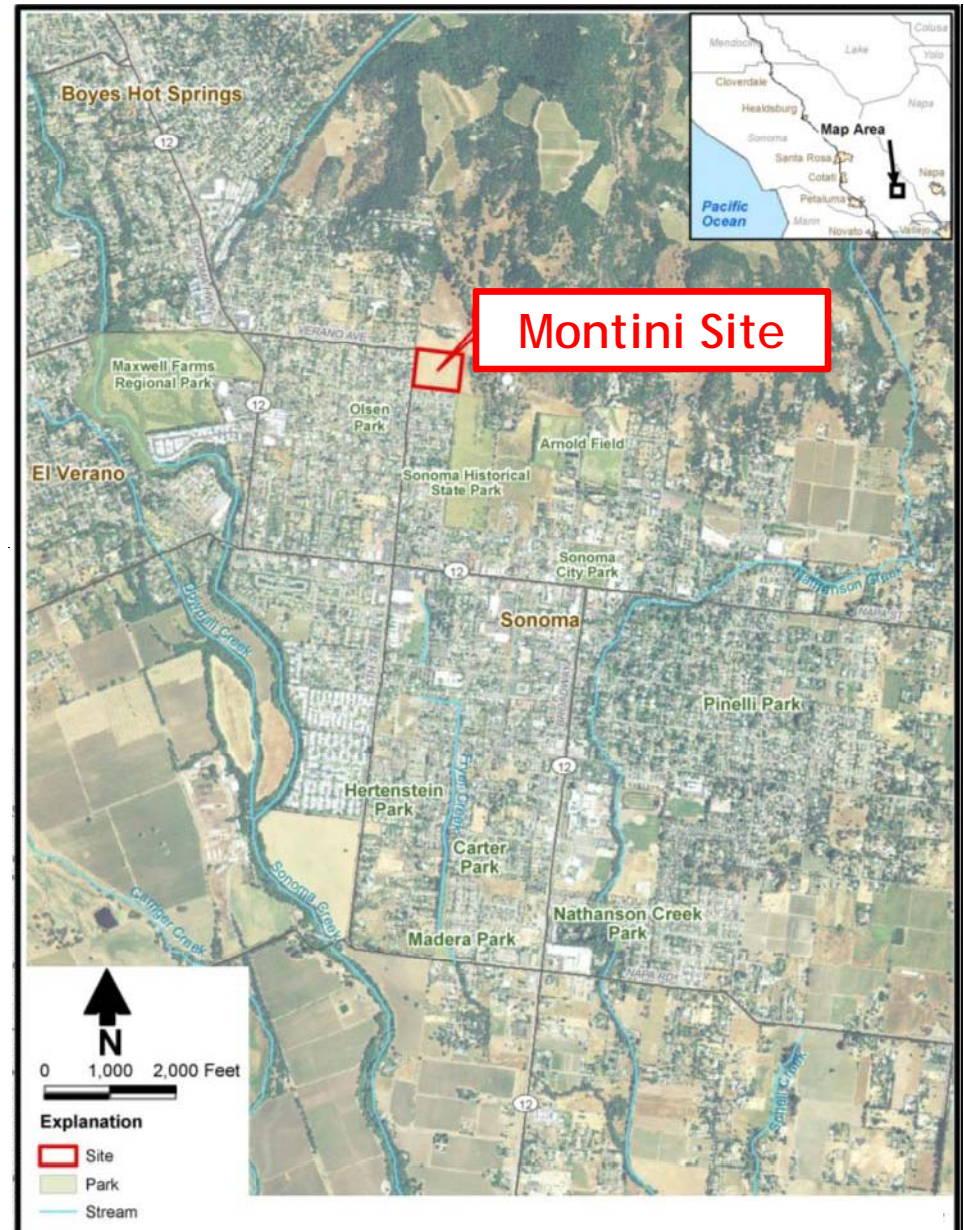
MacArthur Street Culvert Site



Montini Site

Goal of Investigation:

- Characterize geology of the site
- Evaluate potential for groundwater recharge
- Assist in development of appropriate and successful project design

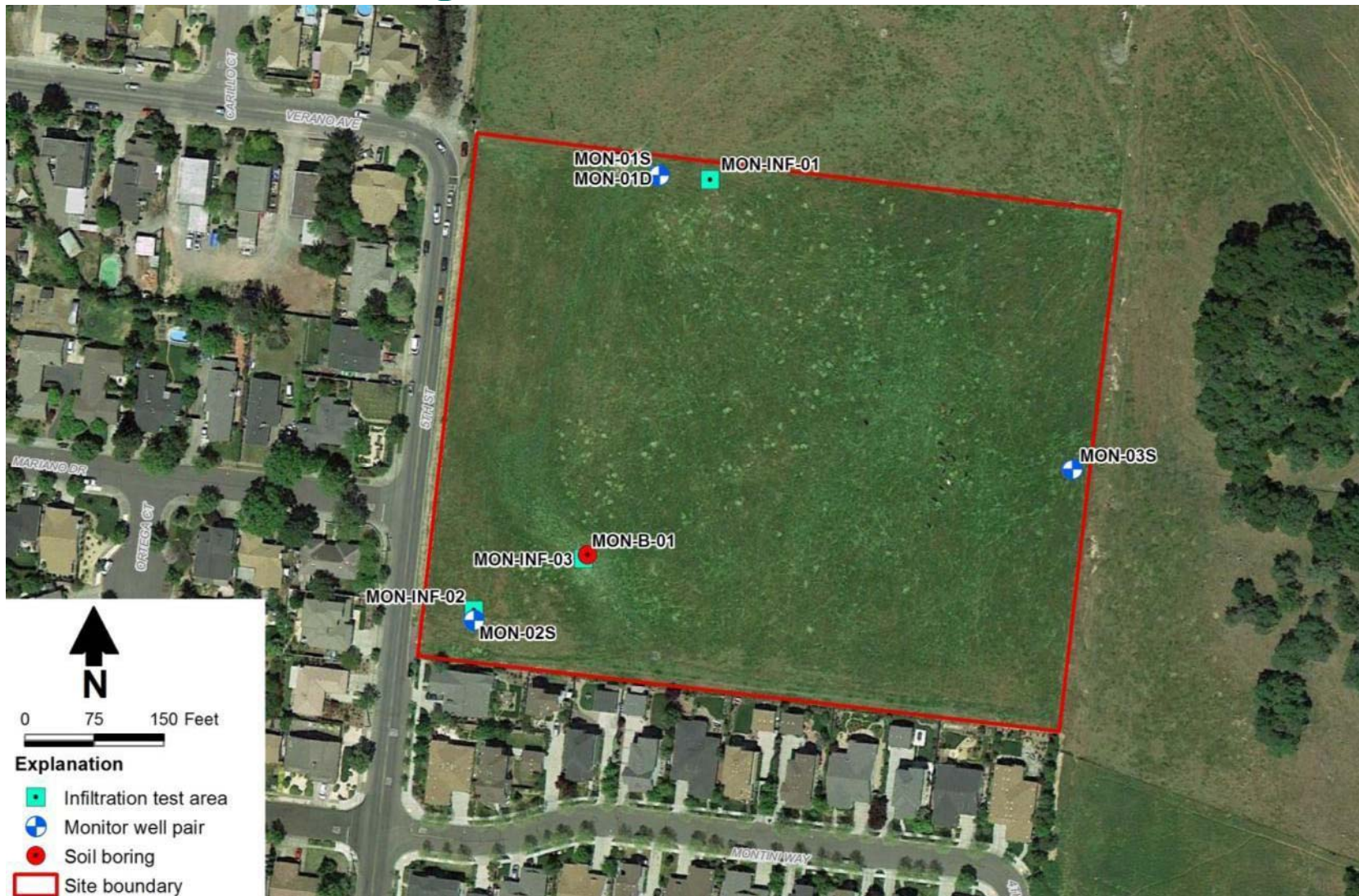


Montini Site Investigation



Montini Site

Site Investigation Elements



Montini Site Investigation Elements

- Installation of four monitor wells and one soil boring
 - Analyses of hydraulic and geotechnical properties of soils
 - Analyses of groundwater quality samples
 - Manual and automated collection of water level data
- Testing of surface infiltration rates using three 10-foot by 10-foot test areas
 - Automated collection of water level and soil moisture data
 - Collection of neutron geophysical logs

Montini Site Investigation



Montini Site Example of Completed Monitor Well



Montini Site Infiltration Tests

